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**NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC,
DIAGNOSTIC, PREVENTIVE, THERAPEUTIC AND OTHER USES**

TECHNICAL FIELD OF THE INVENTION

This invention relates to polypeptides and the genes encoding them.
RELATED APPLICATIONS

This Application is a continuation of U.S. Application No. 09/803,589, filed March 9, 2001 which is a continuation-in-part (and claims the benefit of priority under 35 USC 120) of the following applications:

1. U.S. Application Serial No. 09/128,709 (filed August 4, 1998), which application claims priority from U.S. Serial No. 60/054,645 (filed August 4, 1997).
2. U.S. Application Serial No. 09/130,491 (filed August 6, 1998), which application claims priority from U.S. Serial No. 60/054,966 (filed August 6, 1997) and U.S. Serial No. 60/058,108 (filed September 5, 1997).
3. U.S. Application Serial No. 09/388,280 (filed September 1, 1999), a divisional of U.S. Application Serial No. 09/130,491 (filed August 6, 1998), which application claims priority from U.S. Serial No. 60/054,966 (filed August 6, 1997) and U.S. Serial No. 60/058,108 (filed September 5, 1997).
4. U.S. Application Serial No. 09/388,279 (filed September 1, 1999), a divisional of U.S. Application Serial No. 09/130,491 (filed August 6, 1998), which application claims priority from U.S. Serial Number 60/054,966 (filed August 6, 1997) and U.S. Serial Number 60/058,108 (filed September 5, 1997). The entire teachings of U.S. Application Nos: 09/803,589, 09/128,709, 09/130,491, 09/388,280 and 09/388,279 are incorporated herein by reference.

SUMMARY OF THE INVENTION

The invention relates to the discovery and characterization of the genes encoding Tango-71, Tango-79, and Tango-81. Tango-71 (SEQ ID NO:1; FIG. 5) encodes a human protein (SEQ ID NO:2; FIG. 5) that is approximately 90% identical to murine ADAMTS-1 (SEQ ID NO:8; FIG. 6). Tango-79 cDNA (SEQ ID NO:3; FIG. 1) was isolated from a human fetal brain library (Clontech; Palo Alto, CA) and encodes a 615 amino acid protein (SEQ ID NO:4; FIG. 1) that is homologous to *Drosophila Melanogaster* slit protein